

METHOD AND APPARATUS FOR A SINGLE DATABASE ENGINE DRIVEN, CONFIGURABLE RIS- PACS FUNCTIONALITY

Abstract of Disclosure

A method and apparatus are disclosed for providing fully integrated information processing, management and communication functions in a fully integrated RIS-PACS system for a radiology department/healthcare environment by employing brokerless interface methods to synchronize patient and exam data entities in a radiology information system (RIS) database and a picture archive and communication system (PACS) database within the RIS-PACS system and to generate direct database calls to the RIS and PACS databases. The running of RIS and PACS applications within the RIS-PACS system is initiated from client workstations over a web interface. Information from the databases is accessed by the client workstations. Also, the system may communicate between internal PACS applications and an external RIS system over a HL7-based interface or between internal RIS applications and an external PACS system over a standard medical communications interface such as HL7 and DICOM.

Figures

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